

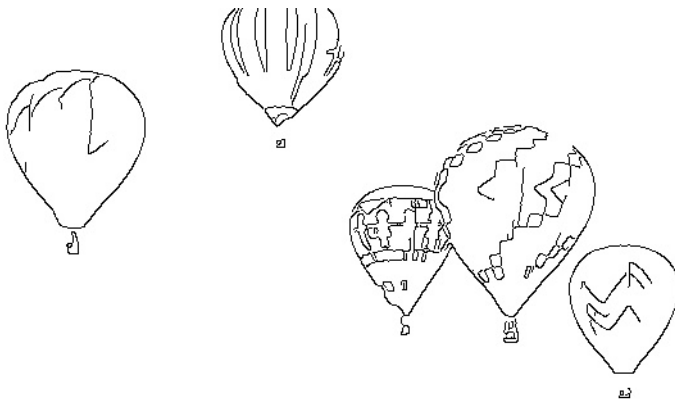
## More Api Examples

We have seen very simple syntax usage, now its time to make use of those pipelines.

```
|[ns opencv3.dolphin
  (:require
    [opencv3.utils :as u]
    [opencv3.core :refer :all]))
```

```
nil
```

```
(-> "http://www.v3wall.com/wallpaper/1366_768/0912/1366_768_20091223010850201138.jpg"
  u/mat-from-url
  (u/resize-by 0.4)
  (median-blur! 3)
  (cvt-color! COLOR_BGR2GRAY)
  (canny! 300.0 100.0 3 true)
  (bitwise-not!)
  (u/mat-view))
```



```
(-> "resources/images/cat.jpg"
  imread
  (clone)
  (u/resize-by 0.3)
  (median-blur! 7)
  (cvt-color! COLOR_BGR2GRAY)
  bitwise-not!
  u/mat-view)
```



```
(def headphones (->
  "resources/morph/headphone.png"
  imread
  clone
  (cvt-color! COLOR_BGR2GRAY)))

(def contours (new-arraylist))
(find-contours headphones contours (new-mat) RETR_LIST CHAIN_APPROX_SIMPLE)

(doseq [c contours]
  (if (> (contour-area c) 100)
    (let [rect (bounding-rect c)]
      (if (> (.height rect) 28)
        (rectangle
         image-c
         (new-point (.x rect) (.y rect))
         (new-point (+ (.width rect) (.x rect)) (+ (.y rect) (.height rect)))
         (new-scalar 255 100 100)
         3))))))
```

(u/mat-view image-c)

